002950.P087

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Title: Method and System to Provide Message Communication
Between Different Browser Based Applications Running on a Desktop
1st Named Inventor: Prabhuram Mohan
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Fig. 1 (Prior Art)

| APPLICATION A CLIENT (DOMAIN A) 12 | APPLICATION X CLIENT (DOMAIN X) 16 | APPLICATION A SERVER (DOMAIN A) 20 | APPLICATION X SERVER (DOMAIN X) 28 |

INDENTIFY MESSAGE CONTENT — 34

COMMUNICATE MESSAGE CONTENT APPLICATION X SERVER — 36

38 — APPLICATION X SERVER RECEIVES MESSAGE CONTENT AND PERFORMS FUNCTION USING MESSAGE CONTENT

APPLICATION X CLIENT DISPLAYS RESULT OF FUNCTION — 42

40 — APPLICATION X SERVER COMMUNICATES RESULT OF FUNCTION TO APPLICATION X CLIENT

Fig. 2 (Prior Art)

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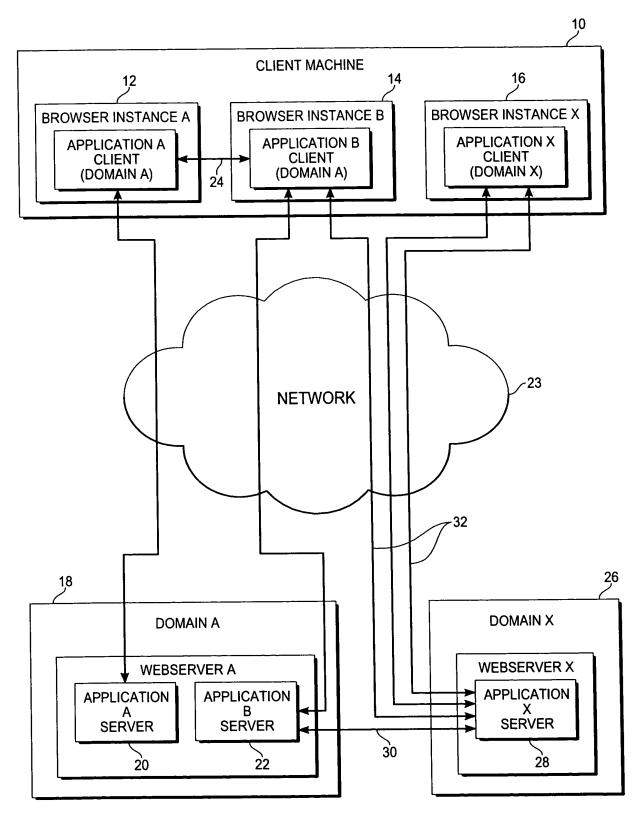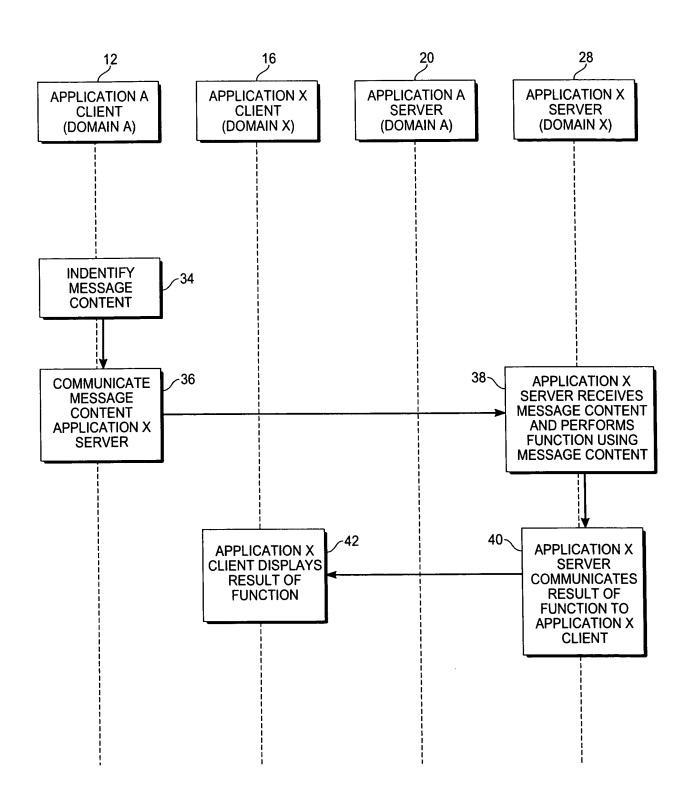Express Mail No.: EV301791175US   Docket No.: 2950P087
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46	48	50	52	54	56
SCHEME	MACHINE	2nd-LEVEL DOMAIN	TOP-LEVEL DOMAIN	PATH	DATA (e.g. PARAMETERS)
http: //	www.	DOMAINA.	COM/	xhtml	#data

Fig. 3

58

HTML PAGE = | http://www.DOMAINA.COM/a.html | 66

62

60 | http://www.DOMAINA.COM/a.html # ANCHOR_ NAME |

64 | < A HREF= " # ANCHOR_ NAME "> |

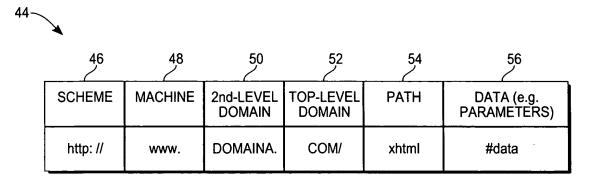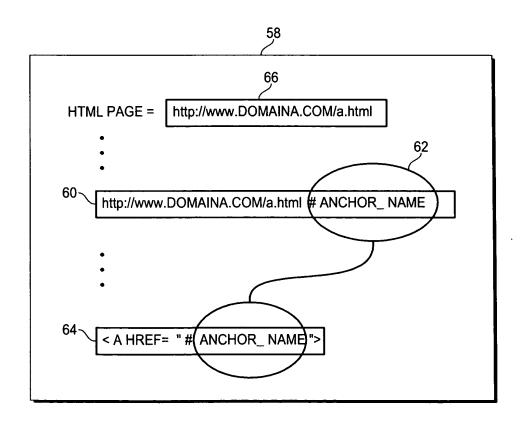*Fig. 4*

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CLIENT MACHINE

74

BROWSER INSTANCE A

APPLICATION A
CLIENT
(DOMAIN A)

URL
GENERATOR

76

BROWSER INSTANCE X

APPLICATION X
CLIENT
(DOMAIN X)

78

BROWSER INSTANCE R

RECEIVER
APLLICATION
(DOMAIN X)

CHECKER
LOGIC

90

92

72

23

NETWORK

125

80

DOMAIN A

WEBSERVER A   84

APPLICATION
A
SERVER

URL
GENERATOR

88

82

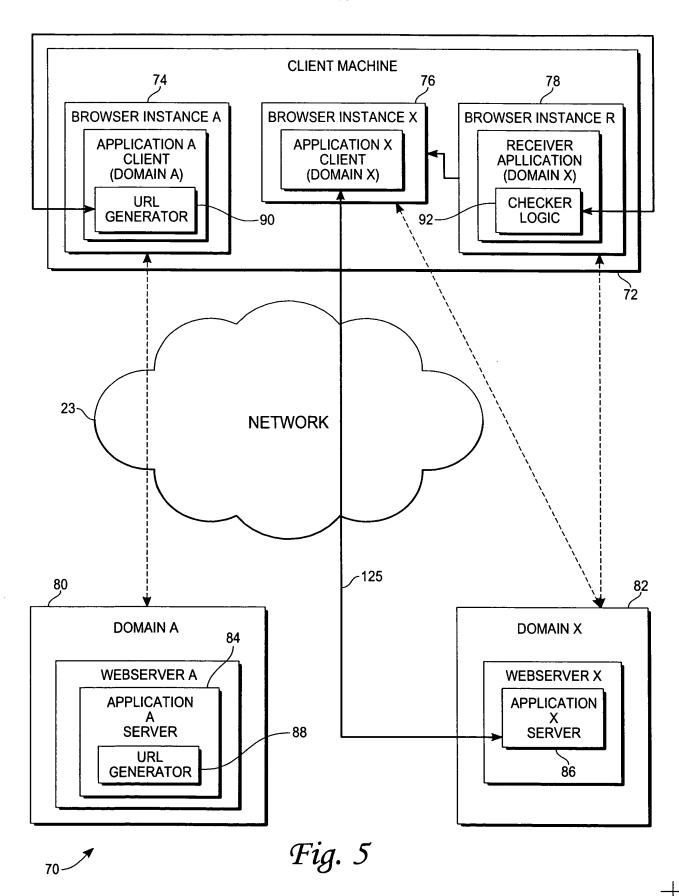**DOMAIN X**

WEBSERVER X

APPLICATION
X
SERVER

86

70

Fig. 5

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APPLICATION
A
(DOMAIN A)

APPLICATION X
CLIENT
(DOMAIN X)

RECEIVER
APPLICATION
(DOMAIN X)

APPLICATION X
SERVER
(DOMAIN X)

100

INITIAL
COMMUNICATION

106
IDENTIFY
MESSAGE
CONTENT

108
INCLUDE MESSAGE
CONTENT IN
ANCHOR PORTION
OF URL STRING
ADDRESSED TO
DOMAIN X AND
THAT CALLS
RECEIVER CLIENT

110
COMMUNICATE
URL STRING TO
DOMAIN X

116
EXECUTE
RECEIVER
APPLICATION
TO CLIENT
MACHINE ON
CLIENT MACHINE

86   112
RECEIVER URL
STRING TO
DOMAIN X

114
UPLOAD
RECEIVER
APPLICATION
TO CLIENT
MACHINE

122
APPLICATION X
CLIENT RECEIVES
MESSAGE
CONTENT

RECEIVER
APPLICATION
PARSES URL
STRING TO
EXTRACT MESSAGE
CONTENT IN
ANCHOR PORTION

118   120
RECEIVER
APPLICATION
COMMUNICATES
MESSAGE CONTENT
TO APPLICATION
X CLIENT

126
APPLICATION X
SERVER RECEIVES
MESSAGE CONTENT
AND PERFORMS
FUNCTION USING
MESSAGE CONTENT

124
APPLICATION X
CLIENT
COMMUNICATES
MESSAGE
CONTENT
TO APPLICATION
X SERVER

132
IDENTIFY
MESSAGE
CONTENT#2

134
INCLUDE MESSAGE
CONTENT IN
ANCHOR PORTION
OF URL STRING
ADDRESSED TO
RECEIVER
APPLICATION
ASSOCIATED
WITH DOMAIN X

136
COMMUNICATE
URL STRING
TO DOMAIN X

130
APPLICATION X
CLIENT DISPLAYS
RESULT OF
FUNCTION

RECEIVER
APPLICATION
RECEIVES AND
PARSES URL
STRING TO
EXTRACT MESSAGE
CONTENT IN
ANCHOR PORTION

128
APPLICATION X
SERVER
COMMUNICATES
RESULT OF
FUNCTION TO
APPLICATION
X CLIENT

102

142
APPLICATION X
CLIENT RECEIVES
MESSAGE
CONTENT

138   140
RECEIVER
APPLICATION
COMMUNICATES
MESSAGE CONTENT
TO APPLICATION
X CLIENT

104

Fig. 6
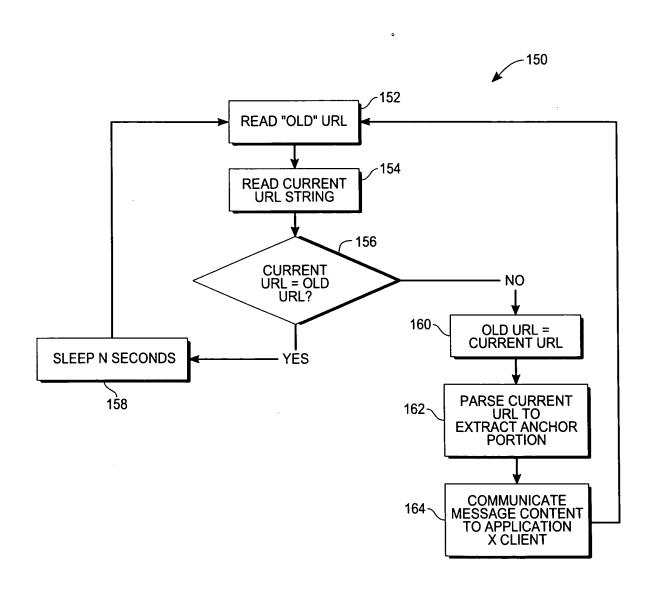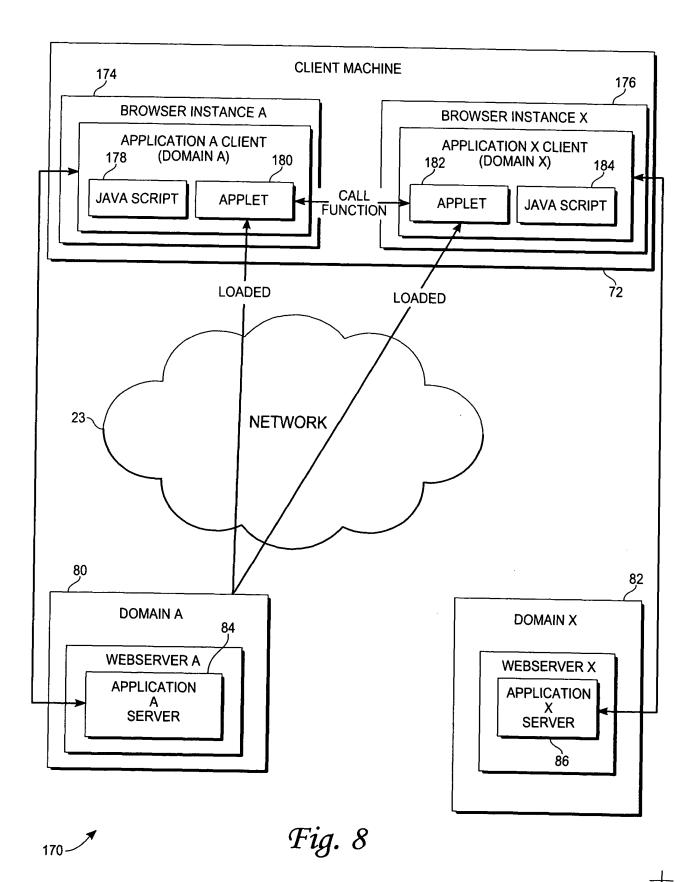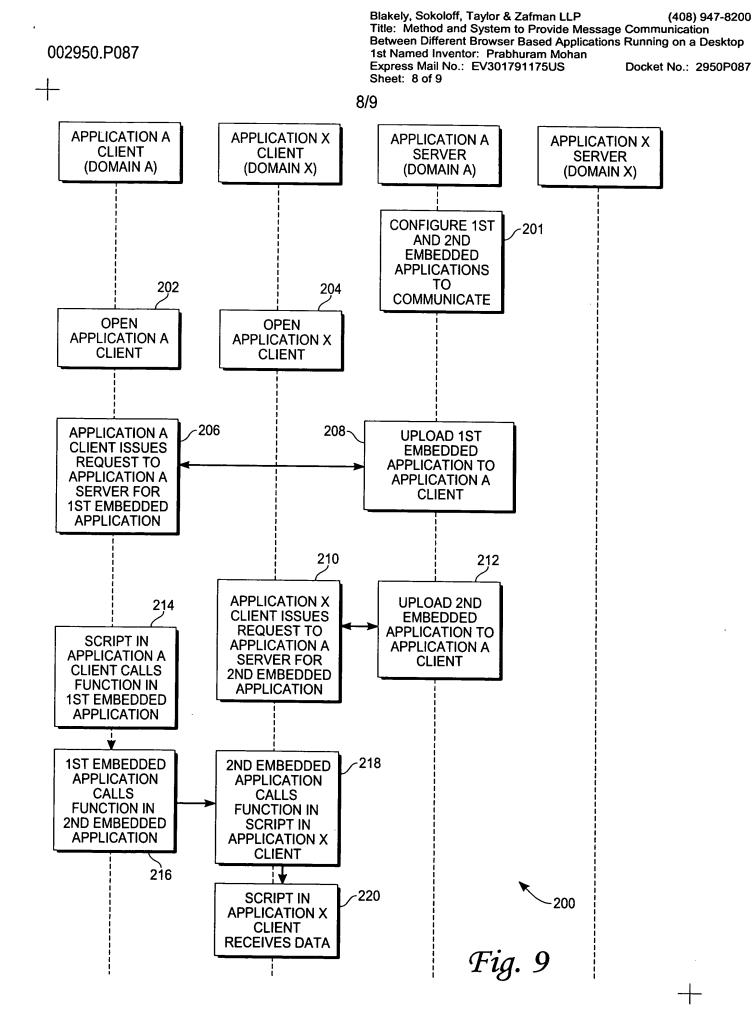
Fig. 7

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CLIENT MACHINE

174

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BROWSER INSTANCE A

BROWSER INSTANCE X

APPLICATION A CLIENT
(DOMAIN A)

178   180

APPLICATION X CLIENT
(DOMAIN X)

182   184

JAVA SCRIPT   APPLET

CALL
FUNCTION

APPLET   JAVA SCRIPT

72

LOADED   LOADED

23   NETWORK

80   82

DOMAIN A

84

DOMAIN X

WEBSERVER A

WEBSERVER X

APPLICATION
A
SERVER

APPLICATION
X
SERVER

86

170

Fig. 8

| APPLICATION A CLIENT (DOMAIN A) | APPLICATION X CLIENT (DOMAIN X) | APPLICATION A SERVER (DOMAIN A) | APPLICATION X SERVER (DOMAIN X) |

CONFIGURE 1ST AND 2ND EMBEDDED APPLICATIONS TO COMMUNICATE — 201

OPEN APPLICATION A CLIENT — 202

OPEN APPLICATION X CLIENT — 204

APPLICATION A CLIENT ISSUES REQUEST TO APPLICATION A SERVER FOR 1ST EMBEDDED APPLICATION — 206

UPLOAD 1ST EMBEDDED APPLICATION TO APPLICATION A CLIENT — 208

APPLICATION X CLIENT ISSUES REQUEST TO APPLICATION A SERVER FOR 2ND EMBEDDED APPLICATION — 210

UPLOAD 2ND EMBEDDED APPLICATION TO APPLICATION A CLIENT — 212

SCRIPT IN APPLICATION A CLIENT CALLS FUNCTION IN 1ST EMBEDDED APPLICATION — 214

1ST EMBEDDED APPLICATION CALLS FUNCTION IN 2ND EMBEDDED APPLICATION — 216

2ND EMBEDDED APPLICATION CALLS FUNCTION IN SCRIPT IN APPLICATION X CLIENT — 218

SCRIPT IN APPLICATION X CLIENT RECEIVES DATA — 220

200

Fig. 9

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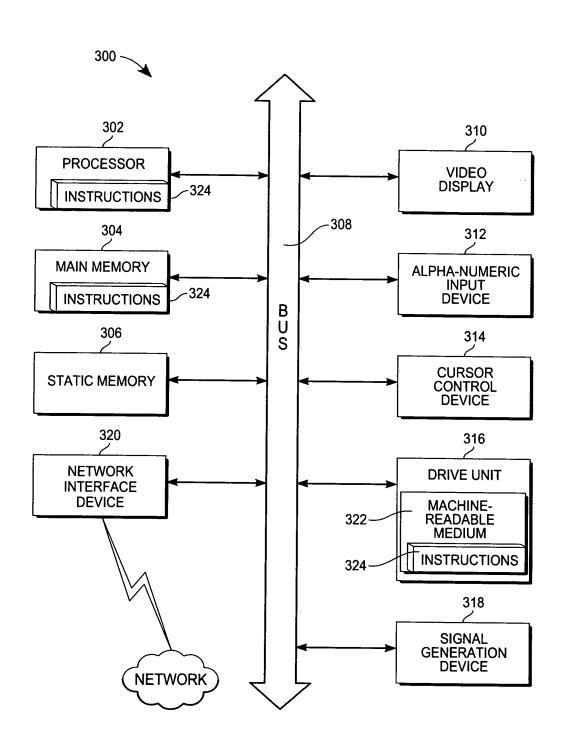Express Mail No.: EV301791175US   Docket No.: 2950P087
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302
PROCESSOR
INSTRUCTIONS ⎯324

304
MAIN MEMORY
INSTRUCTIONS ⎯324

306
STATIC MEMORY

320
NETWORK
INTERFACE
DEVICE

NETWORK

308

B
U
S

310
VIDEO
DISPLAY

312
ALPHA-NUMERIC
INPUT
DEVICE

314
CURSOR
CONTROL
DEVICE

316
DRIVE UNIT
322⎯ MACHINE-
READABLE
MEDIUM
324⎯ INSTRUCTIONS

318
SIGNAL
GENERATION
DEVICE

Fig. 10